CLAIMS

1. A communication apparatus that transmits and receives data of a predetermined format through a network comprising:

5   detection means with which a called side communication apparatus detects a condition capable or incapable of communication in accordance with its own condition;

means for sending, when a call has been issued
10   and received and it is detected by said detection means that the called side communication apparatus is in a condition incapable of communication, a message indicating incapableness of communication as an SIP message from the called side communication apparatus
15   to a calling side communication apparatus upon sending and receiving a call;

means with which the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification
20   of resuming-to-receive request message for requesting notification of resuming to receive as an SIP message, if necessary; and

means with which the called side communication apparatus that has received the notification of
25   resuming-to-receive request message sends, when a condition capable of communication is detected by said detection means, a message notifying resuming to

receive as an SIP message to the calling side communication apparatus that has sent the notification of resuming-to-receive request message,

wherein transmission and reception of

5   communication data are performed in response to sending and receiving of the message notifying resuming to receive.

2. A control method for communication

10   apparatuses that transmit and receive data of a predetermined format through a network, wherein

in sending a call, communication apparatuses performing communication notify each other of a condition in terms of capableness/incapableness of

15   communication using SIP protocol,

when a called side communication apparatus is in a condition incapable of communication, it sends a message indicating incapableness of communication as an SIP message to a calling side communication

20   apparatus,

the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification of resuming-to-receive request message for requesting notification

25   of resuming to receive as an SIP message, if necessary,

when the called side communication apparatus

that has received the notification of resuming-to-
receive request message is restored to a condition
capable of receiving, it sends a message notifying
resuming to receive as an SIP message to the calling
5   side communication apparatus that has sent the
notification of resuming-to-receive request message,
and

transmission and reception of communication
data are performed in response to sending and
10   receiving of the message notifying resuming to
receive.

3.   A control program of communication
apparatuses that transmit and receive data of a
15   predetermined format through a network, wherein
in sending a call, communication apparatuses
performing communication notify each other of a
condition in terms of capableness/incapableness of
communication using SIP protocol,
20   when a called side communication apparatus is
in a condition incapable of communication, it sends a
message indicating incapableness of communication as
an SIP message to a calling side communication
apparatus,
25   the calling side communication apparatus that
has received the message indicating incapableness of
communication sends a notification of resuming-to-

receive request message for requesting notification of resuming to receive as an SIP message, if necessary,

when the called side communication apparatus

5 that has received the notification of resuming-to-receive request message is restored to a condition capable of receiving, it sends a message notifying resuming to receive as an SIP message to the calling side communication apparatus that has sent the

10 notification of resuming-to-receive request message, and

transmission and reception of communication data are performed in response to sending and receiving of the message notifying resuming to

15 receive.

4. A communication system that transmits and receives data of a predetermined format through a network comprising:

20 detection means with which a called side communication apparatus detects a condition capable or incapable of communication in accordance with its own condition;

means for sending, when a call has been issued

25 and received and it is detected by said detection means that the called side communication apparatus is in a condition incapable of communication, a message

indicating incapableness of communication as an SIP message from the called side communication apparatus to a calling side communication apparatus upon sending and receiving a call;

5 means with which the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification of resuming-to-receive request message for requesting notification of resuming to receive as an SIP message,

10 if necessary; and

means with which the called side communication apparatus that has received the notification of resuming-to-receive request message sends, when a condition capable of communication is detected by

15 said detection means, a message notifying resuming to receive as an SIP message to the calling side communication apparatus that has sent the notification of resuming-to-receive request message,

wherein transmission and reception of

20 communication data are performed in response to sending and receiving of the message notifying resuming to receive.